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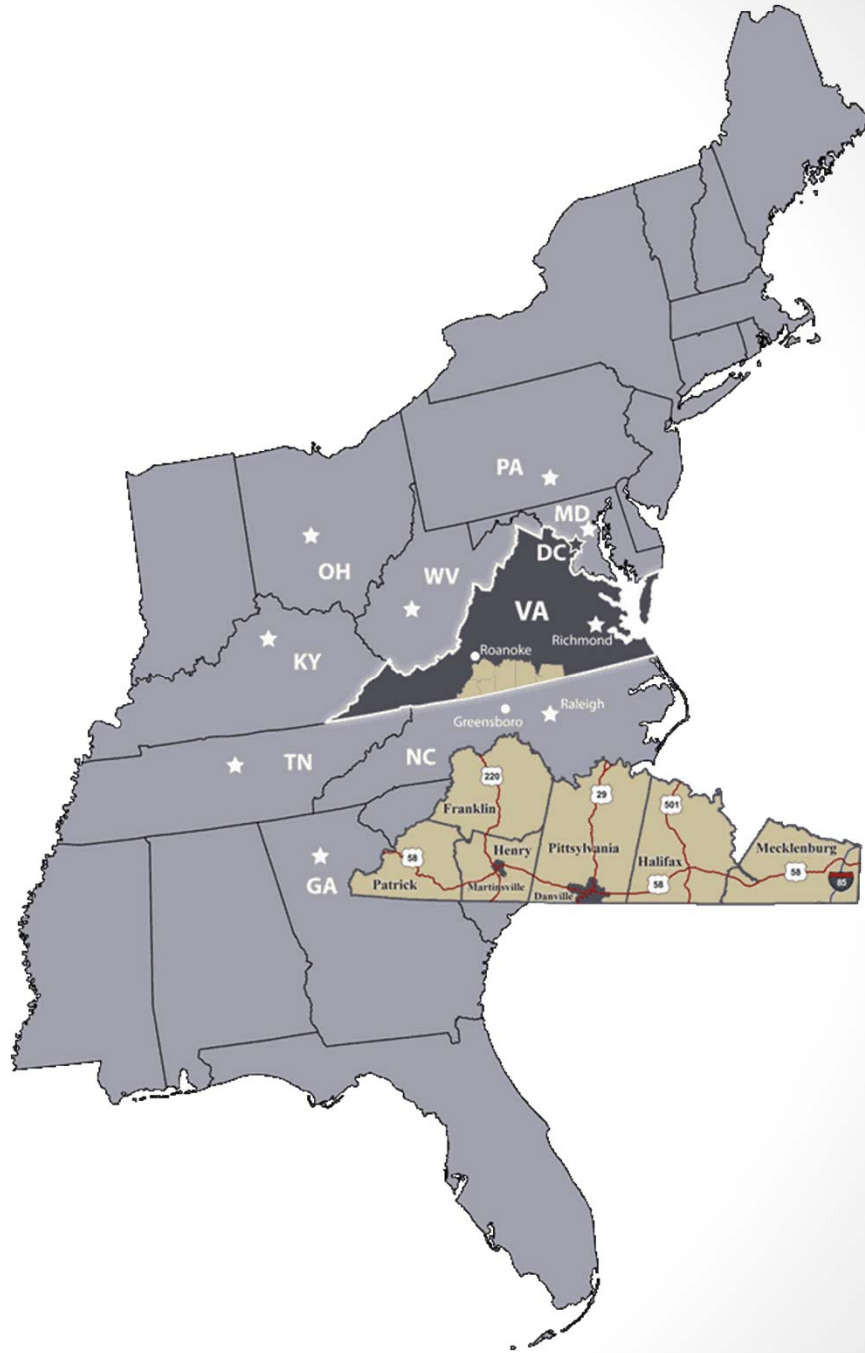
INSTITUTE

FOR ADVANCED LEARNING AND RESEARCH

# IALR Mission

The Institute for Advanced Learning and Research serves as a regional catalyst for economic transformation. IALR accomplishes this by focusing on three core areas: applied research, advanced learning, and economic development.

*Footprint served: counties of Patrick, Franklin, Henry, Pittsylvania, Halifax and Mecklenburg along with the cities of Martinsville and Danville*



# Capstone

- Revolutionary, industry-driven post-graduate advanced manufacturing training program.
- Provides high-skill training in a full scale flow cell manufacturing environment on relevant technologies to students and incumbent workers based on industry need.
- Results in participants entering the workforce career ready, qualifying them for above entry-level and leadership positions in advanced manufacturing industries.

# Model Pipeline

**Pittsylvania  
County Career  
& Technical**

- 44 Dual Enrollment Credits
- Advanced Manufacturing Certificate
- Capacity of 40 students



**Danville  
Community  
College**

- 36 or 80 Credits
- Diploma
- Current Enrollment of 108 students



**Capstone**

- 34 Credits
- Earned Certificate
- Initial capacity of 40 students increasing to 140
- Industry input in curriculum development



- Industry Recognized Certifications

# Leverages...

- Public and private partnerships to create industry relevant curriculum and experiences
- Over \$1,053,000 in immediate equipment and cash support from industry
- Additionally, industry support with equipment and technology upgrades every 12 – 18 months, valued at up to \$600,000 per cycle





## Haas Factory Outlet

A Division of Jeffreys

November 30th, 2013

Mr. Jerry Gwalney  
Institute for Advanced Learning and Research  
150 Skylon Avenue  
Danville, VA 24540-5093

Mr. Gwalney:

**...we are offering to provide your program – free of charge – some of the most advanced and state-of-the-art Haas five-axis milling center equipment on the market today. This represents a donation of approximately \$650,000. The level of support we are providing is unprecedented – and it is predicated upon the fact that your program features a concept that has truly intrigued us. The Flow Cell training model you have presented goes beyond the level of immersion at other colleges in the United States.**

In addition to the equipment donation, we are also reviewing the numbers as we consider the possibility of committing up to \$40,000 per year for up to three years as seed money for instructional support to help ensure the successful launch of this program.

It goes without saying that we would not be considering such a significant investment on our end if we did not truly believe in the concept you are presenting and the potential that your program has to generate highly proficient advanced manufacturing workers and to have a significant positive impact on the industry standard for training programs.

Yours truly,

C. Brooks Barwick  
President

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E-mail: [sales@jeffreysmfg.com](mailto:sales@jeffreysmfg.com) – Web: [www.haascnc.com](http://www.haascnc.com)

**Other Locations:** Haas Factory Outlet/ Simpsonville, SC. - Alpharetta, GA. - Franklin, TN.  
Little Rock, AR. - Birmingham, AL.